

2011 WorldSkills Australia Regional – VET in Schools Primary Industries Competition PRI11/2 – Organisers' Pre-Competition Information

Preamble

Welcome to the WorldSkills Australia VET In Schools Primary Industries Regional Competition. This competition will run for approximately 6 hours.

The aim of this exercise is two fold.

Firstly it is a WorldSkills Schools competition that ranks competitors according to the skills demonstrated on the day.

Secondly, it is an assessment of competence to give competency standards in this case elements from :

RTC 2209A	Install, maintain and repair fencing.
RTC 2701A	Follow OHS procedures
RTC 2702A	Observe environmental work practices
RTC 2704A	Provide Basic First Aid
RTC 2801A	Participate in workplace communications

Your demonstration or non-demonstration of competence affects your ranking in the competition.

There are three (3) parts to this competition:

PART A: Repair a fence **35 marks**

PART B: Scenario: Emergency situation **30 marks**

PART C: Plant trees **35 marks**

Competitors will be divided into groups.

Part A, B and Part C will be undertaken by each group concurrently under separate supervision.

- Attached are your instructions. Please read them carefully, you will need to refer to them to complete the required tasks.
- You will be given a copy of the Marking Scale to look at ½ hour before the event: This must be returned before commencing. It is worth giving it a quick read so that you may have an understanding of how marks are to be awarded

Instructions for Competitors

N.B. Compliance with OH&S procedures is expected in all tasks.

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PART A

You are a farm hand at Abbey Station, Penny Lane, Kintyre.
Your usual jobs include livestock handling; pasture improvement, tractor work and general farm maintenance.

Competitors are required to:

- Repair a fence
 - Assess the repairs and list on the task sheet
 - Select what you need to fix the fence
 - Repair the fence
 - Clean up afterwards and replace all equipment and tools.

PART B

Competitors are required to:

- Respond in an emergency situation.
- Identify and assess the signs and symptoms of the casualty.
- Management of the casualty.
- Emergency communication is carried out.

Part C

Competitors are required to:

- **Work as a team** to unload trees, and equipment.
- **Working as an individual:**
 - Use information provided on **worksheet 3** to determine the type and amount of fertilizer to be used for tree planting.
 - Use appropriate tools to prepare a hole for planting,
 - Select a tree,
 - Plant the tree
 - Clean up site, tools, and materials.

Part A

The farmer wants you to repair a fence.

Note: Safe work practices should be followed according to industry standards.

Task 1

Identify and assess the fence and surrounding areas for potential hazards.
Complete Worksheet 1.

Task 2

Select the appropriate materials and equipment for the task.

Task 3

Undertake the fence repairs

Task 4

Clean up after the repair to industry standard.

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MARKING SUMMARY

Competencies	Maximum	Actual
	Mark	Mark
Part A		
Task 1: Assess repairs	12	
Task 2, Select tools	3	
Task 3: repair the fence	15	
Task 4: clean up	5	
Part B		
Task 1: Emergency procedure	18	
Task 2: Report Accident	12	
Part C		
Task 1 Unload equipment	3	
Task 2: Worksheet on fertilizer quantities	13	
Task 3: Prepare, plant, clean up when planting tree	19	
TOTAL	100	

OH&S Requirements

Electrical Equipment test & tag - Organisers and Competitors - Only 240V & 415v electrical equipment that has been tested by a competent person and has a current test tag attached shall be allowed to be used in the competitions

Demonstrate Good Housekeeping - Organisers and Competitors are required to properly manage their workplace, including minimising waste, preventing unavoidable power/gas consumption and effectively using materials and tools.

Safe Work Method Statement - Competitors must complete a Safe Work Method Statement in preparation to compete in the competition. Completed Safe Work Method Statements must be submitted to the Chief Judge prior to the start of the competition. No competitor will be allowed to compete in the competition unless a Safe Work Method Statement has been completed.

Electrical Procedures - Organisers and Competitors involved in any electrical activities associated with the competitions are required to use a safe system of work. This shall include following the WorldSkills Australia Electrical procedure and completing an Electrical Risk Assessment prior to competition.

Safety Checklist

The Safety Checklists are to be completed by the Chief Judge in each category prior to commencing the competitions each day. The Safety Checklists will help you maintain a safe working environment. Workers includes all persons associated with the competition work areas.

Materials per competitor

PART A

- Fence made from either plain wire, or hingejoint with faults
- Wire strainerspliers,gripple tool gripplles
- Tie wire, 2.5mm soft wire
- PPE

PART B

- First aid kit. long sticks suitable for splints.
- Student to act as voluntary casualty.
- Mobile phone (not working or turned off!!)

PART C

- Electronic scales
- Fertilizer eg Dynamic Lifter
- Crowbar, spade
- Plastic bag, small container for holding fertilizer prior to weighing
- Tree tube stock
- Tree guard and bamboo stakes
- Weed mat and scissors
- Bucket or milk bottles to carry water

Notes to Organiser

Students should be placed into 3 even groups. One group participates in each task then rotates to the other two tasks.

PART A

1. requires a fence or series of fences which require repair including straining.
2. fences could be “interfered with” prior to each student undertaking the task.
3. equipment including PPE (eye protection, gloves are required)
4. Students all undertake task 1 first then work individually to complete task.

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PART B

1. Require a student to act as the injured individual.
2. Students are to be **observed** performing the emergency procedure and marks allocated. Casualty is breathing, severe pain, bruising, suspected broken bones in lower leg.
3. Students will make a simulated emergency phone call. Then accurately record all the information concerning this emergency on a Workplace Accident Reporting Form. (Worksheet 2).

PART C

1. requires area for tree planting, one tree seedling per contestant, tree guards, bamboo stakes.
2. fertilizer, scales, plastic bags and plastic containers such as cups to hold fertilizer prior to weighing.
3. examiners need to check weight of bag.
4. A large tree needs to be close by for students to measure area under canopy using their own paces as measurement for worksheet 3.
5. A water supply or tanker plus buckets etc needed for watering in of tree

Modification Notes

Advice to organisers

1. Split sessions (if more than 4 students). Preferred maximum of 4 students per session, otherwise the students are standing around. With 12 students 9.30am , 11.30am and 1.30pm. Each task should take approximately 1.5 hours total.
2. Allow students to review the Marking Summary (page 2 in the Pre-Competition sheet) for about 5 minutes.
3. Keep competitors away and out of sight of the working competitors.
4. Require at least 3 judges